

$$y = \frac{2}{3}x - 5 \rightarrow \frac{2}{3}x - y = 5$$

$$y = \frac{2}{3}x - K$$

$$\underline{a}x + \underline{b}y = c$$

Family

$$15 = 2x - 3y$$

$$2x - 3y - 15 = 0$$

$$\underline{2}x - \underline{3}y = K$$

$$m = -\frac{4}{5}$$

S.F.

$$y = -\frac{4}{5}x + K \quad \leftarrow K = \cancel{\times} 4x + 5y$$

$$ax + by = c$$

$$4x + 5y - 5K = 0$$

$$\frac{by}{b} = \frac{-ax}{b} + \frac{c}{b}$$

$$y = \boxed{\frac{-a}{b}}x + \frac{c}{b}$$

$$y = \frac{2}{3}x + 5$$

$$y = Kx + 5$$

S.F.

$$Kx - y = 5$$

$$\frac{-y}{-1} = \frac{-Kx + 5}{-1}$$

$$y = Kx - 5$$

$$-15 = Kx - 5y$$

$$Kx + Ky = 5$$

$$\underline{15} = Kx + 3y$$

$$Kx - y + 5 = 0$$

$$Ky = -Kx + 5 \quad x + 5y = 5$$

$$y = \frac{-Kx}{K} + \frac{5}{K}$$

$$y = -1x + \frac{5}{K}$$

$$-Kx + y = 5$$

$$30 = Kx + 6y$$

$$y - y_1 = m(x - x_1)$$

$$\underline{y - 3} = m(\underline{x + 2})$$

(-2, 3)

$$ax + ay = 4$$

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